|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **USER** | | | | | | |
| **Attribute** | **Content** | **Type** | **Format** | **Required** | **PK** | **FK** |
| USER\_NUM | User’s Number | INT | Xxxxx | Y | PK |  |
| USER\_ID | Username | VARCHAR | Xxxxx | Y |  |  |
| USER\_PASS | User Password | VARCHAR | Xxxxx | Y |  |  |
| USER\_TYPE | User Type | VARCHAR | Xxxxx | Y |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **LOGIN** | | | | | | |
| **Attribute** | **Content** | **Type** | **Format** | **Required** | **PK** | **FK** |
| LOGIN\_NUM | Login Number | INT | Xxxxx | Y | PK |  |
| USER\_NUM | User Number | INT | Xxxxx | Y |  | FK |
| LOGIN\_TIME | Time of Login | DATETIME | Xxxxx | Y |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **UPLOAD** | | | | | | |
| **Attribute** | **Content** | **Type** | **Format** | **Required** | **PK** | **FK** |
| LOGIN\_NUM | Login Number | INT | Xxxxx | Y | PK | FK |
| MATERIAL\_NUM | Material Number | INT | Xxxxx | Y |  | FK |
| EXAM\_NUM | Exam Number | INT | Xxxxx | Y |  | FK |
| UPDATE\_TIME | Time of Update | VARCHAR | Xxxxx | Y |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **EXAM** | | | | | | |
| **Attribute** | **Content** | **Type** | **Format** | **Required** | **PK** | **FK** |
| EXAM\_NUM | Exam Number | INT | Xxxxx | Y | PK | FK |
| EXAM\_DESCRIB | Exam Description | VARCHAR | Xxxxx | Y |  |  |
| EXAM\_ANS | Exam Answers | VARCHAR | Xxxxx | Y |  |  |
| MODULE\_NUM | Module Number | INT | Xxxxx | Y |  | FK |

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| **MATERIAL** | | | | | | |
| **Attribute** | **Content** | **Type** | **Format** | **Required** | **PK** | **FK** |
| MATERIAL\_NUM | Material Number | INT | Xxxxx | Y | PK | FK |
| MATERIAL\_ID | Material Name | VARCHAR | Xxxxx | Y |  |  |
| MAT\_FILETYPE | Material File Type | VARCHAR | Xxxxx | Y |  |  |
| MODULE\_NUM | Module Number | INT | Xxxxx | Y |  | FK |

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| --- | --- | --- | --- | --- | --- | --- |
| **MODULE** | | | | | | |
| **Attribute** | **Content** | **Type** | **Format** | **Required** | **PK** | **FK** |
| MODULE\_NUM | Module Number | INT | Xxxxx | Y | PK |  |
| MODULE\_NAME | Module Name | VARCHAR | Xxxxx | Y |  |  |
| MODULE\_DESCRIB | Module Description | VARCHAR | Xxxxx | Y |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **ORIENTATION** | | | | | | |
| **Attribute** | **Content** | **Type** | **Format** | **Required** | **PK** | **FK** |
| LOGIN\_NUM | Login Number | INT | Xxxxx | Y | PK | FK |
| MODULE\_NUM | Module Number | INT | Xxxxx | Y | PK | FK |
| PART\_DATE | Participation Date | DATETIME | Xxxxx | Y |  |  |
| EXAM\_SCORE | Exam Score | DECIMAL | Xxxxx | Y |  |  |